

2. Names and Synonyms of Carcinogens

2.A. Known to be Human Carcinogens: This list includes agents, substances, mixtures, and medical treatments that are known to be carcinogenic in humans. These carcinogens are profiled in Section III.A. Known Human Carcinogens.

CASRN	Name or synonym	Known/RAHC ^a	First listed ^b	Page No.
1402-68-2	Aflatoxins	K	1	15
92-67-1	4-Aminobiphenyl (4-Aminodiphenyl)	K	1	15
91-59-8	2-Aminonaphthalene (See 2-Naphthylamine)	K	1	39
	Analgesic Mixtures Containing Phenacetin	K	4	16
7440-38-2	Arsenic (under Arsenic and Certain Arsenic Compounds)	K	1	17
1303-28-2	Arsenic Pentoxide (under Arsenic and Certain Arsenic Compounds)	K	1	17
1327-53-3	Arsenic Trioxide (under Arsenic and Certain Arsenic Compounds)	K	1	17
1332-21-4	Asbestos	K	1	19
446-86-6	Azathioprine	K	4	22
10294-40-3	Barium Chromate (under Chromium and Certain Chromium Compounds)	K	1	29
71-43-2	Benzene	K	1	23
92-87-5	Benzidine	K	1	24
542-88-1	Bis(chloromethyl) Ether	K	1	25
55-98-1	Busulfan (See 1,4-Butanediol Dimethylsulfonate)	K	4	27
55-98-1	1,4-Butanediol Dimethylsulfonate (Myleran®; Busulfan)	K	4	27
10103-62-5	Calcium Arsenate (under Arsenic and Certain Arsenic Compounds)	K	1	17
52740-16-6	Calcium Arsenite (1:1) (under Arsenic and Certain Arsenic Compounds)	K	1	17
15194-98-6	Calcium Arsenite (2:1) (under Arsenic and Certain Arsenic Compounds)	K	1	17
27152-57-4	Calcium Arsenite (2:3) (under Arsenic and Certain Arsenic Compounds)	K	1	17
13765-19-0	Calcium Chromate (under Chromium and Certain Chromium Compounds)	K	1	29
305-03-3	Chlorambucil	K	2	27
13909-09-6	1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (MeCCNU)	K	6	28
107-30-2	Chloromethyl Methyl Ether	K	1	25
1066-30-4	Chromic Acetate (under Chromium and Certain Chromium Compounds)	K	1	29
1308-38-9	Chromic Oxide (under Chromium and Certain Chromium Compounds)	K	1	29
	Chromite Ore (under Chromium and Certain Chromium Compounds)	K	1	29
7440-47-3	Chromium (under Chromium and Certain Chromium Compounds)	K	1	29
29689-14-3	Chromium Carbonate (under Chromium and Certain Chromium Compounds)	K	1	29
7789-04-0	Chromium Phosphate (under Chromium and Certain Chromium Compounds)	K	1	29
1333-82-0	Chromium Trioxide (under Chromium and Certain Chromium Compounds)	K	1	29
8007-45-2	Coal Tar (under Soots, Tars, and Mineral Oils)	K	1	42
11114-92-4	Cobalt Chromium Alloy (under Chromium and Certain Chromium Compounds)	K	3	29
	Coke Oven Emissions	K	1	31
8001-58-9	Creosote (Coal) (under Soots, Tars, and Mineral Oils)	K	4	42
8021-39-4	Creosote (Wood) (under Soots, Tars, and Mineral Oils)	K	4	42
50-18-0	Cyclophosphamide	K	1	33
59865-13-3	Cyclosporin A (Cyclosporine A; Ciclosporin)	K	8	34
56-53-1	Diethylstilbestrol	K	1	35
10048-95-0	Disodium Hydrogen Arsenate (under Arsenic and Certain Arsenic Compounds)	K	1	17
66733-21-9	Erionite	K	1	17
7784-40-9	Lead Arsenate (under Arsenic and Certain Arsenic Compounds)	K	1	36
7758-97-6	Lead Chromate (under Chromium and Certain Chromium Compounds)	K	1	29
18454-12-1	Lead Chromate Oxide (under Chromium and Certain Chromium Compounds)	K	1	29
13909-09-6	MeCCNU [See 1-(2-Chloroethyl)-3-(4-methylhexyl)-1-nitrosourea]	K	6	28
148-82-3	Melphalan	K	1	37
298-81-7	Methoxsalen (under Methoxsalen with Ultraviolet A Therapy (PUVA)) [methoxsalen not carcinogenic alone]	K	4	38
	Mineral Oils	K	1	42
505-60-2	Mustard Gas	K	1	39
55-98-1	Myleran® (See 1,4-Butanediol Dimethylsulfonate)	K	4	27
91-59-8	2-Naphthylamine (β-Naphthylamine; 2-Aminonaphthalene)	K	1	39
7280-37-7	Piperazine Estrone Sulfate (under Conjugated Estrogens)	K	4	32
7784-41-0	Potassium Arsenate (under Arsenic and Certain Arsenic Compounds)	K	1	17
13464-35-2	Potassium Arsenite (under Arsenic and Certain Arsenic Compounds)	K	1	17
7789-00-6	Potassium Chromate (under Chromium and Certain Chromium Compounds)	K	1	29
7778-50-9	Potassium Dichromate (under Chromium and Certain Chromium Compounds)	K	1	29
10043-92-2	Radon	K	7	40
7631-89-2	Sodium Arsenate (under Arsenic and Certain Arsenic Compounds)	K	1	17
7784-46-5	Sodium Arsenite (under Arsenic and Certain Arsenic Compounds)	K	1	17
7775-11-3	Sodium Chromate (under Chromium and Certain Chromium Compounds)	K	1	29
10588-01-9	Sodium Dichromate (under Chromium and Certain Chromium Compounds)	K	1	29
16680-47-0	Sodium Equilin Sulfate (under Conjugated Estrogens)	K	4	32

(Continued)

2.A. Known to be Human Carcinogens. (Continued)

CASRN	Name or synonym	Known/RAHC ^a	First listed ^b	Page No.
438-67-5	Sodium Estrone Sulfate (under Conjugated Estrogens)	K	5	32
	Soots	K	1	42
7789-06-2	Strontium Chromate (under Chromium and Certain Chromium Compounds)	K	1	29
	Tars	K	1	42
52-24-4	Thiotepa [in 7th ARC as Tris(1-aziridinyl)phosphine Sulfide]	K	2^c,8^d	46
1314-20-1	Thorium Dioxide	K	2	48
52-24-4	Tris(1-aziridinyl)phosphine Sulfide (Thiotepa)	K	2^c,8^d	46
75-01-4	Vinyl Chloride	K	1	48
13530-65-9	Zinc Chromate (under Chromium and Certain Chromium Compounds)	K	1	29

^a Known (K) = *Known to be a Human Carcinogen*

RAHC (R) = *Reasonably Anticipated to be a Human Carcinogen*

^b Numbers designate the number of the Report on Carcinogens when first listed.

1 = First Annual Report on Carcinogens, 1980

2 = Second Annual Report on Carcinogens, 1981

3 = Third Annual Report on Carcinogens, 1983

4 = Fourth Annual Report on Carcinogens, 1985

5 = Fifth Annual Report on Carcinogens, 1989

6 = Sixth Annual Report on Carcinogens, 1991

7 = Seventh Annual Report on Carcinogens, 1994

8 = Eighth Report on Carcinogens, 1997

^c First time listed as *Reasonably Anticipated to be a Human Carcinogen*

Bold entries indicate new listing in The Report on Carcinogens, Eighth Edition